

Claims

- [c1] 1. A portable device for watching TV programs comprising:
- a receiving module for receiving an input signal;
 - a first decoding module connected to the receiving module for decoding the input signal and outputting a first decoded signal;
 - an encoding module comprising an input and an output, the input receiving a signal, the encoding module being used to encode the signal, the output outputting a digital signal;
 - a storing module connected to the output of the encoding module, the storing module being used for storing the digital signal output from the encoding module; and
 - a displaying module connected to the first decoding module for transforming the first decoded signal or a second decoded signal output from the first decoding module into an audio/video signal and displaying the audio/video signal.
- [c2] 2. The portable device of claim 1 further comprising an AD converter connected to the receiving module for transforming an analog signal into a digital signal.

- [c3] 3. The portable device of claim 1 wherein the signal received by the input of the encoding module is the decoded signal output by the first decoding module or the digital signal output from an AD converter.
- [c4] 4. The portable device of claim 1 further comprising a second decoding module connected to the storing module and the displaying module, for decoding the digital signal stored in the storing module and outputting the second decoded signal.
- [c5] 5. The portable device of claim 1 wherein the displaying module comprises a display.
- [c6] 6. The portable device of claim 1 wherein the displaying module comprises a speaker.
- [c7] 7. The portable device of claim 1 wherein the encoding module encodes a signal according to the MPEG4 codes.
- [c8] 8. The portable device of claim 1 being a PDA.
- [c9] 9. The portable device of claim 1 being a mobile phone.
- [c10] 10. The portable device of claim 1 wherein the receiving module comprises a TV tuner for tuning an input signal to a frequency band.
- [c11] 11. The portable device of claim 1 further comprising an

output port, which is connected to the encoding module, for outputting the digital signal of the encoding module.

[c12] 12. The portable device of claim 1 wherein the output port is a USB port.

[c13] 13. The portable device of claim 1 further comprising a transmitter, connected to the encoding module, for transmitting the digital signal of the encoding module.